An Integrated Technology Approach for Low-Cost Landers

Completed Technology Project (2012 - 2013)

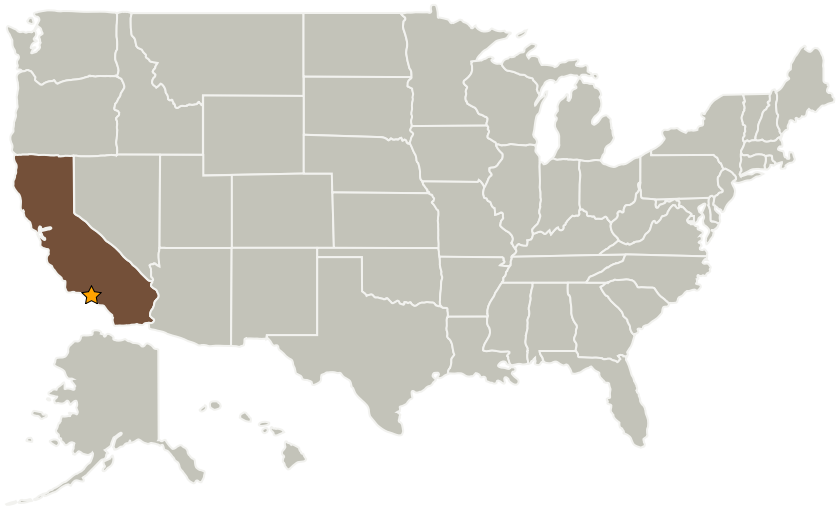
Project Introduction

The primary goal is to provide direction of the Low Cost Lander proposal elements and control of the development space. It would evaluate the proposed technologies and their requirements / constraints, how they address the lander requirements, and how they fit with potential design concepts and overall cost. It would also bring together the functional experts for those areas not currently identified as needing funding for technology development. Each area would support and evaluate all other areas to ensure that information flow is unconstrained and transparent – all challenges are shared challenges.

Anticipated Benefits

Low cost lander missions will benefit from an integrated technology cost approach.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★Jet Propulsion Laboratory(JPL)	Lead Organization	NASA Center	Pasadena, California

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Organizational Responsibility

Responsible Mission Directorate:

Mission Support Directorate (MSD)

Lead Center / Facility:

Jet Propulsion Laboratory (JPL)

Responsible Program:

Center Independent Research & Development: JPL IRAD

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Primary U.S. Work Locations

California

Project Management

Program Manager:

Fred Y Hadaegh

Project Manager:

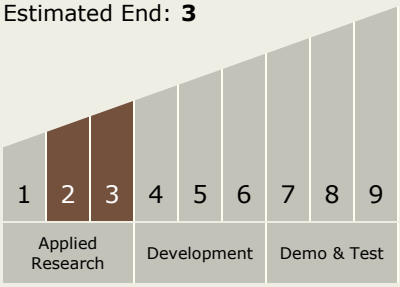
Jonas Zmuidzinas

Principal Investigator:

Cynthia L Kahn

Technology Maturity (TRL)

Start: **2**
Estimated End: **3**



Technology Areas

Primary:

- TX09 Entry, Descent, and Landing
  - TX09.4 Vehicle Systems
    - TX09.4.7 Guidance, Navigation and Control (GN&C) for EDL